Feed the Cow Liberally

She Is Least Wasteful When Given All She Will Use -Consider Her As a Milk-Producing Machine

By C. H. Eckles, Professor of Dairy Husbandry, College of Agri., U. of Ma

the body in the past.

the body. As soon as this is exhaust-

How to Avoid Overfeeding.

applying it to this class would lead to

serious mistakes in feeding from an

of dairymen who realize the necessity

animals can be made clearer by the

Full Ration

Economical Ration

class will consume. A to B repre-

making milk is not equal to the ca-

pacity of the animal for utilizing feed

in excess of that required to maintain

We have the cow gaining in weight

while she is giving milk. This gain

cows in milk. That portion of the

In every large herd, where the

we find errors made in both these

classes. We find the heavy-producing

12 inches in diameter that are cov-

is used as forms and the concrete al-

lowed to set in them. These pillars

Each post is made of three 2x8s, 10

feet long, securely nailed together.

The sills are made of three 2x12s,

10 feet long, and are let in between

and made from

10, 7 10, 7 10,

sills upon which the floor rests are

2x8s and eight feet long. This allows

the floor to be laid lengthways of the

The girths, to which the siding is

are securely spiked to the posts. The

siding is 1x4 stuff and is put on ver-

tically, with one-quarter inch spaces

The accompanying diagrams show

only the frame. The roof can be made

of shingles, iron or tar paper. There

he crib, which will give the rats a

Decision in Papke Case,

That French boxing commission has

had along and wordy session and

given the world its voluminous report.

To Organize Basketball League.

John W. Poggie, former president of the Hudson River (N. Y.) Basketbai

SIDE VIEW OF CRIB

building.

left for ventilation.

the parts of the posts. The cross

neans rec

body weight.

Bonnes

of liberal feeding

following illustration.

To maintain the condition of early feed for milk production. However, ner is, in general, the great prob- the animal would not quit producing lem in winter feeding of dairy cows. milk at once. The milk-producing It is entirely possible to maintain function is so strong that the cow practically these summer conditions will continue to produce milk for throughout the entire winter on any some time, even when the feed is infarm when the subject is properly un- sufficient, utilizing the reserve maderstood and the necessary arrange- terial which has been accumulated in

An abundance of palatable food is one condition typical of summer feed- decline in weight for the first two or ing. On this point one of the most three weeks, and occasionally for ten no individual of any other nationality common mistakes is made in feeding weeks, after calving. This means that cows. We should look upon the cow, milk production has been in excess of in a way, as a milk-producing ma- feed supplied for that purpose. The amount of raw material in the form cow that is not being fed a sufficient holds as in the running of any other duce considerable milk for a while by manufacturing plant-it is run most drawing on the reserve material of conomically near its full capacity.

Everyone who feeds cows should ed the production of milk must come know, first of all, that the animal down to the ration available for that must use a certain portion of her food purpose, above the ration of mainteto maintain the body. This is the nance. first requirement of the animal, and it is the first use to which it puts its food. This is called the ration of maintenance, and it is practically a fixed charge. That is, it is practically the same whether the animal is neing utilized for maximum production or is merely kept without producing any milk at all.

It should be clear that after going to the expense of giving the animal the necessary amount to keep her alive it is the poorest economy to refuse to furnish the other 40 to 60 per cent, which she would utilize exclusively for milk production. On the average farm this is one of the com-

The importance of liberal feeding for economical production can be easily understood from the following illustration:

Full Ration

Three Quarters Ration

Ration of Maintenance

The first line illustrates the proper the body. The amount which the cow feeding of a heavy-producing cow, is capable of utilizing for milk prowhich is usually the one underfed. duction is represented by that portion The line A to C represents the total of the line B to C, while the animal's capacity of the animal for food, or a appetite is equal to the total line A to full ration. The first half, from A to D. This gives a surplus, C to D, which B. represents the amount of food re- is not utilized for milk production, but quired to maintain the animal's body, which is used for storing fat on the or the ration of maintenance. The animal's body. second half, that portion from B to C, represents the portion of food used for the production of milk. In this case there is no fat being produced on as milk production is concerned, exthe animal's body. The cow is supposed to be of such dairy quality that serve material. It is not economical all the feed she can consume in excess of maintenance is used in milk

The next line represents what feed represented by the line CD would happen if the feed of the ani- should be taken from the ration. This The ration of maintenance remains practic- that amount used for storing fat on ally the same as in the first case. The the body. In other words, to feed her cut of one-fourth will be seen to come only what she will utilize in milk proentirely on that available for milk pro- duction. This means feeding enough duction, and reduces that amount one- to maintain a practically uniform

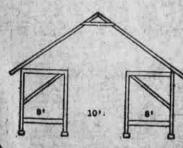
Suppose that the ration of such a cow be still further reduced to one amount fed is not carefully regulated. half of the full ration, or that required for maintenance alone, as represented by the third line. In this cows being underfed, and we find the case the cutting down of the ration light-producing cows being overfed one-half would remove all available and allowed to accumulate fat.

PLAN FOR 2,000-BUSHEL CRIB extend at least one foot above the WITH MACHINERY SHED. WITH MACHINERY SHED.

By C. E. Brashear, College of Agriculture, University of Mis-

A good corn crib is not only a conenience-it is a practical investment. as It saves grain from rotting and from rats. The following is the plan of a simple crib consisting of two parts with a driveway between.

Each part is 8 feet wide and 30 feet long and holds 1,000 bushels. There



END VIEW OF CRIB

is a 10-foot drive between. It may be wided than eight feet has the circulation of air so reduced that there is danger of spoiling. Narrower than is room for a track and sliding doors, eight feet, the cost increases for cribs so that the driveway can be utilized holding the same amount of grain, so for storing machinery. However, no that this is probably the best width machinery should be allowed to touch holding the same amount of grain, so for Missouri climate.

The posts rest upon concrete pillars abance to gnaw their way in.

Successful Managers Talking about successful managers, they can be numbered on one's hand. the National league McGraw. Chance Clarke and Bresnahan, are top-notchers. The American league more weight in order to secure his also has four who can be considered credentials as the middle weight as strictly first-class managers-Stahl, Griffith, Mack and Jennings.

an Francisco School Athletics. The San Francisco Board of Educa-tion voted \$3,000 for athletic purposes. league, is trying to form a big profes stace Peixotto has been named sional league of eastern profes

DUTCH ARE FRIENDLY MADE A CLEAN JOB OF IT ROYALTY WELCOMES THE

American Travelers Welcomed by the Netherlanders.

Looked Upon as Kinsmen-Hollanders Remember Important Part Played by Their Forefathers in the New World.

The Hague, Holland.-Recently, in a letter from Scotland I read that "Americans are unpopular in Europe." As far as Holland is concerned I cannot protest strongly enough against this statement. On the contrary, there As a rule, all heavy-milking cows is no foreign nation as popular in the Netherlands as America and there is so well liked as the American.

The Dutch consider the Americans akin to themselves. They cannot for-We supply her with a certain same thing happens in the case of a get that some of the eastern states were once known as New Netherland of feed, and this raw material is man- ration for the amount of milk she is and that New York was first named ufactured into milk. The same rule producing. She may continue to pro- New Amsterdam; that many of the leading Dutch families helped to colonize America; that most Dutch family names survive in some form or other on the other side of the Atlantic. There is scarcely a family that has not "a cousin in America" and the "American uncle" is unreservedly popular among all his relatives in Holland for all the thousands of dollars, real While the foregoing applies to one or imaginary, that some day he may lass of dairy cows, there is another leave to them.

class to which it does not apply, and The eyes of many a weary worker in Holland turn with longing toward America, that land of fabulous wealth economical standpoint. This group inin the same way that the Germans, cludes those of lower productive caduring Holland's golden age, used to pacity, which are liable to be overfed, dream of Amsterdam, that city paved especially when they are in the herds with gold. But, wiser than the German dreamer of old, the Hollander knows that gold is not to be picked up in the streets of the new world by the The proper feeding of this group of idlers, but must be gained by honest toll. The sons of many a Dutch farmer have found work and land and a permanent home in America, and when they return occasionally to visit the scenes of their childhood, these tell of the wondrous, progressive, energetic race across the sea, that is party of their own blood, and so they widen the circle of sympathy for America, and the Americans. No one who has seen how one private American citizen, of Dutoh lineage, it is true, but certainly "a very American of the Americans," Theodore Roose-The line A to D represents the amount of feed that an animal of this velt was received by the people of Holland, can doubt for a movement the sents the ration of maintenance. In this case, however, the capacity for

truth that Americans are popular. But it is very noticeable in many other ways. See the people's faces light up in smiles when they hear that their traveling companion in a rail-



Fishing Fleet on Dutch Canal.

way fourney is an American. Everyone is ready to point out places of interest to him, to help him in any difficulty and to hear his opinion about Holland. As a rule, Dutch people traveling and staying in hotels hold themselves stiffly aloof from others, but not ered with galvanized iron. The iron from the American. These are privfleged beings and are generally made much of, for there is something genial about them that seem to attract the less demonstrative nature of the Hol-Why, even the American newspaper correspondents are popular in Holland and can obtain advantages denied to those of their colleagues of other nationalities, and even to the Dutch press itself. Perhaps the last is the strongest proof of any of America's popularity.

VISITED HEAVEN IN DREAM Girl Says She Spoke to Mother, Sis ters and Brother in a

Trance.

Chunky, Miss.-Physicians and psychologists are investigating the strange tale told by Miss Lulu Mae Satterfield, twenty years old, who awoke from a trance which she had entered upon several weeks ago, and after summoning about fifty relatives

and friends to her bedside told a graphic story of how she had visited heaven during hes long sleep and while there had talked with her mother, her sister and two brothers, all of tacked, are 2x6s, 10 feet long, and whom have been dead for some time. Miss Satterfield was in perfect when she awoke from her health trance, and declared that she felt refreshed, although too weak from the long fast to leave her bed. Dr. William Wairing, the physician who attends her family, was at her side when she told her strange experience and noted every word carefully.

The girl said that after talking with her mother, who died a year ago, she had been called before her Heavenly Father and ordered to return to earth and tell mankind of the glorious future that awalted them, urging them

to live good lives.

The girl's discourse was perfectly coherent and she talked with such deep conviction that most of her hearers were in tears when she concluded. The young woman's father is the Rev. M. Satterfield, a Baptist minister, for merly of this town, but now occupied with a sharge at Poplar Springs, five miles southwest of Hickory. The preacher declares that his daughte has always been devout and plous

First Time Old Gentleman Had Eaten a Crab and He Left Nothing on the Dish.

A jolly old boy, from the Midlands entered into one of the hotels at the seaside, and, seeing on the slab on the right a crab dressed on the shell with legs, claws and parsley ranged round, said to the landlord: "What d've call that?"

"Crab," was the answer. "Looks good. I'll have 'un; and gie

us a pint o' ale." Bread and butter was added and the diner left to his dinner. In about an hour the genial landlord entered the dining-room to see if his guest was getting on all right. He found him chawing up the last claw, the chawer red in the face but beaming.

"Like the crab, sir?" "Yes; he was capital. I never tasted one afore. But I think you baked 'un a little too long; the crust was hard.

He had eaten the lot-shell, claws and all complete.-London Tit-Bits.

RASH SPREAD TO ARMS

759 Roach Ave., Indianapolis, Ind .-"At first I noticed small eruptions on my face. The trouble began as a rash. It looked like red pimples. In a few days they spread to my arms and back They itched and burned so badly that I scratched them and of course the result was blood and matter. The eruptions festered, broke, opened and dried up, leaving the skin dry and scaly. I spent many sleepless nights, my back. arms and face burning and itching; sleep was purely and simply out of the question. The trouble also caused disfigurement. My clothing irritated the breaking out

"By this time I had used several well-known remedies without success. The trouble continued. Then I began to use the sample of Cuticura Soap and Ointment. Within seven or eight days I noticed gratifying results. I purchased a full-sized cake of Cuti cura Soap and a box of Cuticura Ointment and in about eighteen or twenty days my cure was complete." (Signed) Miss Katherine McCallister, Apr. 12, 1912.

Cuticura Soap and Ointment sold throughout the world. Sample of each free with 32-p. Skin Book. Address post-card "Cuticura, Dept. L. Boston."

ENOUGH TO MAKE HIM WILD.



Manager-Yes, the old farmer was a little skeptical about our wild man really being wild, but I satisfied him. Fat Man-You did? How?

Manager-Why, I told him the wild man was a bigamist who once had 16

JUDGE CURED, HEART TROUBLE.

I took about 6 boxes of Dodds Kidney Pills for Heart Trouble from which I had suffered for 5 years. I



ago and have had no return of the palpitations. Am now 63 years old. manual labor, am London; they preach them there." well and hearty and weigh about 200 pounds. I feel very grateful that

chills and back-

I found Dodds Kidney Pills and you may publish this letter if you wish, I bone, fat or gristle," said the bride, am serving my third term as Probate on her first trip to market. "Yes, Judge of Gray Co. Yours truly, PHILIP MILLER, Cimarron, Kan. Correspond with Judge Miller about

this wonderful remedy.

Dodds Kidney Pills, 50c. per box at your dealer or Dodds Medicine Co., Buffalo, N. Y. Write for Household Hints, also music of National Anthem (English and German words) and re-

cipes for dainty dishes. All 3 sent free.

After the services were over, one of the congregation turned to his wife

and said: "On my way to church I picked up

a button and put it in my change pocket, where I had a quarter." "Gracious, my dear!" anticipated his wife, very much horrified. "And you dropped it into the collection bas-

ket by mistake?" "No, confound it!" replied her hus band, "I put in the quarter."-Judge.

Sympathetic Affliction. "Don't you think Jack ought to feed that cold? He is a little hoarse.' "He is-with hay fever."

Wily Wooer. Ardent Sultor-"I lay my fortune at your feet." Fair Lady—"Your fortune! I didn't know you had one." Ardent Suitor—"Well, it isn't much of a fortune, but it will look large beside those tiny feet."-Boston Transcript

Dr. Pierce's Pleasant Pellets first put up 40 years ago. They regulate and invigorate stomach, liver and bowels. Sugar-coated tiny granules. Adv.

Some married women want shorter hours and more alimony

AMERICAN SETTLER

HIS ROYAL HIGHNESS, THE DUKE OF CONNAUGHT, WELCOMES AMERICANS TO CANADA.

It was a happy speech, that on that beautiful October day, the Duke of Connaught, Governor-General of Canada, made at Macleod, Alberta. It was an opportune speech, heartful and resonant with good fellowship. And, as it was specially intended for American ears, the audience, comprised largely of so many American settlers in Canada, the time and place could not have been better chosen.

It was in reply to an address of welcome tendered to him at the pretty city of Macleod, with the foothills of the Rockies as a setting, and the great wheat fields between, and in fact all around the place as the foreground, that His Highness, true to the best interests of the country and to those of the Americans who choose to make Canada their home, said in

"I am well aware that among those whom I am now addressing, there are a very great proportion who were not born under the British flag. Most of these will have realized by now that residence under that flag implies no disabilities. All we ask is that the laws of Canada should be obeyed. "With this provision every one is free to come and go, to marry, to live

as it pleases Providence. "We bring no pressure to bear on anyone to adopt the Canadian nationality, for we do not value citizenship which is obtained under compulsion.

and to die as seems best to him, and

"Our American cousins are welcome from over the border. Thrice we welcome our Canadian and British brothers, who return to the Union Jack after living under the Stars and Stripes.

"History is repeating itself. For many years hundreds of young Britishers have sought fortune in the western States. Time has brought about a change, and the tide has set in the other direction, bringing across the frontier numbers of our neighbors to whom we are glad to return hospitalities.

"One of the chief dispensers of such hospitality in proportion to its population has, as we have said, changed its character from an important cattle town to a thriving wheat producing

"What it has lost from the picturesque point of view, it has gained in the material side, and I wish, in conclusion, to express the hope that the prosperity which has evinced itself here for the past ten years, may continue unabated in the future."

There is no reason why at a hundred places on this educative, instructive and interesting trip of His Royal Highness he might not have expressed himself in the same terms, and on each occasion, addressed large gatherings of Americans who are now settled on the prairies of Western Cana-

Not Needed. While a traveling man was waiting for an opportunity to show his samples to a merchant in a little backwoods town in Missouri, a customer came in and bought a couple of nightshirts. Afterwards a long, lank lumberman, with his trousers stuffed in his boots, said to the merchant:

"What was them 'ere that feller "Night shirts. Can I sell you one or

"Naup, I reckon not," said the Missourian; "I don't set around much o' nights."-Lippincott's.

Similarly Minded.

The village tailor only received ochad dizzy spells, my eyes puffed, casional orders from the vicar for my breath was such articles as hats, collars, or handshort and I had kerchiefs. "You see," remarked the vicar one day, having called with his ache. I took the usual order, "when I want a suit I go pills about a year to London. They make them there." Calling again a few days later, the vicar remarked that he had not seen the tailor at church lately. "No, replied the tailor, "when I able to do lots of want to hear a good sermon I go to

Counsel of Despair.

"I want a piece of meat without any

ma'am," replied the butcher. would suggest that you take an egg." -Youth's Companion. After Dinner Joke.

In the great Pecos valley apple country of New Mexico the latest ar-

rival is always asked: "What is worse than biting into an apple and finding a worm?" He is stumped. They tell him, "Finding half a worm."

Equivocal.

"Thrifty habits are your friends." 'Yes, I suppose a man nowadays is known by the bank accounts he

Sometimes a burgiar leaves little to

HOW GIRLS JUST WHAT THEY EXPECTED

Committee Made No Mistake When They Looked for Almost Inevitable Comment.

A committee of investigating scientists approached a lady.

PERIODIC PAINS

The Experience of Two Girls

Here Related For The

Benefit of Others.

Rochester, N. Y .- "I have a daugh-

ter 18 years old who has always been very healthy until recently when she

complained of dizziness and cramps every

month, so bad that I would have to keep her home from school and put her to bed

to get relief.
"After giving her only two bottles of

Lydia E. Pinkham's Vegetable Com-

pound she is now enjoying the best of

health. I cannot praise your Compound too highly. I want every good mother

to read what your medicine has done for my child."-Mrs. RICHARD N. DUNHAM,

Stoutsville, Ohio .- "I suffered from

vised me to take Lydia E. Pinkham's

Vegetable Com-

pound, and before I had taken the whole

of two bottles I

found relief. I am

only sixteen years

old, but I have bet-

ter health than for

two or three years.

headaches, backache and was very irreg-ular. A friend ad-

I cannot express my thanks for what Lydia E. Pinkham's

Vegetable Compound has done for me.

I had taken other medicines but did not find relief."—Miss Cora B. Fosnauge,

Hundreds of such letters from moth-

Cost-

Watermans

Ideal

Fountain Pen

triffing. It is spread

years. Long after

the cost is forgot-

tion of quality

Best Stores

"The Pen That

CARTER'S LITTLE

and Distress After Eating.

SMALL PILL, SMALL DOSE, SMALL PRICE.

Genuine must bear Signature

FREE TO ALL SUFFERERS

Eczema liching Skin - Why throw away so much money for useless remedies when you can positively cure yourself for a few cents? Simple, clean and sure. Enters standard address.

when you can positively cure your-self for a few cents? Simple, clean and sure. En-close stamped addressed civelope for particulars to C. M. BARTLETT, LYNCHBURG, Virginia

LIVER PILLS

do its duty. Cures Con

digestion,

pel a lazy liver to

L. E.

Waterman Co., 173 B'way,

Everybody Uses'

311 Exchange St., Rochester, N.Y.

"Madam," said Professor Prewins the spokesman, offering her a magnificent chrysanthemum of rare and lovely hue. "Madam, permit me to pre sent this flower to you as a token of our high regard."

She clasped the splendid blossom in her lily white hand, Breathlessly the committee waited

her reply. "How beautiful it is," she answered. What an exquisite shade of purple! should love to have a dress of that color.'

Doctor Prewins nodded knowingly to the committee, as if to say, "I told you so."

The committee winked to the professor and whispered, "You win."

PALMISTS, ATTENTION.



Stoutsville, Ohio, R.F.D., No. 1. Gian She-Do you think that big hands ers expressing their gratitude for what Lydia E. Pinkham's Vegetable Com-pound has accomplished for their daugh-ters have been received by the Lydia E. Pinkham Medicine Company, Lynn, Mass. are a sign of generosity? He-Sure; the generosity of na

ture. Her Name Was Not Polly Ticks. During the late campaign an Illinois candidate for the legislature was driving through the country, seeking votes among the farmers, when he met a young man in farmer's garb, walking The Original Price of a

by the roadside. Having in mind a prospective vote he stopped his horse, and saluting him in a familiar manner, inquired: "Are you paying any attention to

politics nowadays?" The young man stopped, looked at him suspiciously, and drawled out: "No, stranger; that don't happen to be my gal's name; but ef it was, I wouldn't think it was any of your

durned business." This ended the interview as well as the prospect.

In New York. First Prison Official-We'll have to

and see the prisoners. Second Prison Official-Why so? Make the Liver First Prison Official-Too much confusion. They keep getting in the way Do its Duty of the fellows who are escaping .-Puck. Nine times in ten when the liver is right the stomach and bowels are right.

stop giving permits to people to go in

A Tender Point. "What got you into trouble with this policeman?' demanded the New York judge.

"Just trying to ask him a civil question, your honor," said the visitor, "nothing more." "What was the question?"

"I just asked him when the next official murder would be dragged off."

"There is one thing I've been wondering about "

"What's that?"

"How racing men take joy rides in

Explained.

Why do epitaphs always begin, Here lies-?" "Because the majority of them do. CURES ITCHING SKIN DISEASES.

and you can decide for you self if it is the remedy for your aliment. Don't send a cent. It's absolutely FREE No "follow-up" circulars. Dr.LeClerellied. Co., Haverstock Rd., Hampstead, Lesion, Eag. le's Carbolisaive stops itching and makes kin smooth. All druggists. 25 and 50c. Adv. We have noticed that the men who INVESTING FOR PROFIT FREE die for women nearly always do so at

the hands of an injured husband LEWIS' Single Binder, straight 5c-man smokers prefer them to 10c cigars Adv.

His Authority. "I thought you told me that man was a golden-mouthed speaker." "Well, I had it from his dentist."

Mrs. Winslow's Soothing Syrup for Children tion, allays pain, cures wind colic, Se a bottle. Mr.

The more the trusts want the less the common people get.

AGENTS—A new article; record breaking sales everywhere. Write for sample. J. C. HARRIS, 330 N. C. Ave., Mangum, Okia. W. N. U., ST. LOUIS, NO. 47-1912.

Shipping Fever Influenza, pluk eye, epizoctic, distemper and all nose and throat diseases cured, and all others, no matter how "exposed," kept from having any of these diseases with SPOHN'S LIQUID DISTEMPER CURE. Three to six doses often cure a case. One 50-cent bottle guaranteed to do so. Best thing for broad mares. Acts on the blood. 50c and \$1 a bottle. \$5 and \$11 a dozen bottles. Druggists and harness shops. Distributors—ALL. WHOLESALE DRUGGISTS.



SPOHN MEDICAL CO., Chemists and Bacteriologists, Goshen, Ind., U. S. A.

ADELESS

Extremes. "Ought these two articles to go under the same heading?" "No; they are not on the same foot-

Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it Bears the Signature of Chart Flitchers.
In Use For Over 30 Years. Children Cry for Fletcher's Castoria

Marriage may either form one's

